

Random propylene copolymers

5 Abstract

Random copolymers of propylene with other 1-alkenes having up to 10 carbon atoms,

10 whose content of comonomers is in the range from 0.7 to 1.4% by weight if the only comonomer present in the propylene copolymers is ethylene, or

15 whose content of comonomers is in the range from 0.7 to 3.0% by weight if at least one C₄-C₁₀-1-alkene is present as comonomer, and

20 whose cold-xylene-soluble fraction is from 1.0 to 2.5% by weight if ethylene is present as a comonomer in the propylene copolymers, or

25 whose cold-xylene-soluble fraction is from 0.75 to 2.0% by weight if the only comonomers present are C₄-C₁₀-1-alkenes,

30 and a process for preparing the random copolymers of propylene is described, as is their use for producing films, fibers or moldings, and also the films, fibers and moldings themselves and biaxially stretched films made from random propylene copolymers of this type and processes for their production.

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